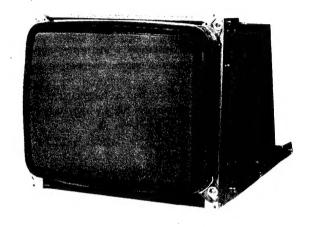
. CODE NO.FTD82080233

Service Manual

Color CRT Data Display

MODEL TX-1404FH

Chassis No. X06



CONTENTS

| 4 |
|------|
| .1 |
| 1 |
| . 2 |
| O |
| 6 |
| . 7 |
| . 8 |
| 10 |
| 11 |
| 12 |
| 12 |
| 13 |
| 15 |
| 15 |
| 16 |
| 17 |
| .18 |
| . 19 |
| 28 |
| |



1. SAFETY PRECAUTIONS -

1-1 CAUTION:

No modification of any circuit should be attempted. Service work should only be performed after you are thoroughly familiar with all of the following safety checks and servicing guide lines.

1-2 SAFETY CHECK

Care should be taken while servicing this CRT display because of the high voltage used in the deflection circuits. These voltages are exposed in such areas as the associated flyback and yoke circuits.

1-3 FIRE & SHOCK HAZARD

- 1-3-1 Insert an isolation transformer between the CRT display and AC power line before servicing chassis.
- 1-3-2 In servicing pay attention to original lead dress especially in the high voltage circuit. If a short circuit is found, replace all parts which have been overheated as a result the short circuit.
- 1-3-3 All the protective devices must be reinstalled per original design.
- 1-3-4 Soldering must be inspected possible for cold solder joints, frayed leads, damaged insulation, solder splashes or sharp solder points. Be certain to remove all foreign material.

1-4 IMPLOSION PROTECTION

All Panasonic picture tubes are equipped with an integral implosion protection system, but care should be taken to avoid damage and scratching during installation. Use only Panasonic replacement picture tubes.

1-5 X-RADIATION

WARNING: The only potential source of X-Radiation is the picture tube. However when the high voltage circuitry is operating properly there is no possibility of X-Radiation problem. The basic precaution which must be exercised is to keep the high voltage at the following factory-recommended level.

Note: It is important to use an accurate periodically calibrated high voltage meter.

- 1-5-1 To mearsure the high voltage, use a high impedance high voltage meter, Connect(—) to chassis and (+) to the CRT anode button.
- 1-5-2 Turn the Brightness control fully counterclockwise.
- 1-5-3 Measure the high Voltage. The high voltage meter should indicate at the following factory-recommended level.
- 1-5-4 If the upper meter indication exceeds the maximum level, immediate service is required to prevent the possibility of premature component failure.
- 1-5-5 To prevent X-Radiation possibility, it is essential to use the specified picture tube.
- 1-5-6 The nominal high voltage is 24.5KV and must not exceed 25KV at zero beam current at rated voltage.

IMPORTANT SAFETY NOTICE

There are special components used in Panasonic CRT displays which are important for safety. These parts are shaded on the schematic diagram and on the replacement parts list. It is essential that these critical parts should be replaced with manufacture's specified parts to prevent X-RADIATION, shock, fire or other hazards. Do not modify the original design without written permission of the Panasonic company or this will void the original parts and labor guarantee.

GENERAL INFORMATION-

Here is an outline of Model TX-1404FH.

This model is COLOR CRT DATA DISPLAY of metal frame type.

TX-1404FH uses High Resolution (Dot pitch 0.31mm) color Cathode Ray Tube.

Input signal is separate type and each input signal is put through 20 pin Connector on the P.C. Board.

Input signal is for TTL level,and H. drive pulse is capable of corresponding to 11.29μ S.

In order to meet users' requirements, frame mechanism is employed for easy adjustment of CRT setting angle. Angle can be changed by stages such as 0°, 2.5°, 7.5° and 10° Switching requrator Circuit is Applied to for power supply of this model, and it is available for AC input 90~140V/

180~264V by changing the select switch (115V / 220V)

which builted-in the Switching Regurator.

COLOR DISPLAY SPECIFICATIONS

1. MECHANICAL DESCRIPTION

Dimension:

Height:

11.30" (287mm) max.

Width: Depth:

13.62" (346mm) max. 14.57" (370mm) max.

14"

Weight: Picture Tube:

26.4 lbs(12kg) 370KAB22TC01

Size

Gun In-Line 90°

Def, Angle Neck dia

1.146" (29.1mm)

Phosphor

R. G. B

Tilt:

10°

2. ENVIRONMENT

Ambient temp, Humidity and Altitude:

Operating:

Temp:

32° F~122° F (0°~50° C)

Humidity:

5~90%

Altitude:

10,000 FT max. (3,000m)

Non-operating:

Temp:

-40°F~149°F (-40~65°C)

Humidity:

5~90%

Altitude:

40,000 FT max. (12,000m)

Storage and Shipment:

Temp:

-40°F~149°F (-40~65°C)

Humidity:

5~90%

Altitude:

40,000 FT max. (12,000m)

Vibration and Shock: (Packaged condition)

Vibration:

meet the following:

Frequency:

5~55 Hz

Vertical:

1,25 G

Horizontal:

0.75 G

Shock:

Coner and edge:

Height 15.8" (40cm)

Front, Back, Si-

de, Bottom:

Height 19.7" (50cm)

3. ELECTRIC PERFORMANCE

Power supply:

Input Voltage:

AC90~140 / 180~264V

Input Frequency: 50 / 60Hz Input Current:

1.3 A max.

Power:

70W max.

Inrush Current:

45 A op max. (at 100V AC)

Input Signals: Horizontal Sync:

Polarity:

Negative

Signal Level:

4Vpp ± 1V

Input Imp:

≥1.5K ohmS

Vertical Sync:

Porarity:

Negative

Signal Level:

4Vpp ± 1V

Input Imp:

≥1.5K ohmS

Video Signal (R.G.B)

Polarity:

Positive

Signal Level:

4Vpp (See Note 1)

Tr. Tf:

≦5nS

Note 1. Max rise and fall times (from 10% to 90%) of input signals are less than 5 NS.

Image test Condition:

Charactor:

"H"

Color:

Green

Brightness:

Max.(without Back Raster)

View Direction:

Parallel to the CRT axis

Ambient Temperature: Room Temp

AC 115V Supply Voltage: Note 2. To measure more then 20 minutes after power on.

Note 3. Normal Condition is the Condition that Satisfies

Image test Condition, (Condition of following each

items is normal condition, it not mentioned).

Video Out:

Turn Rise Time (Tr): Less then 20nS Turn Fall Time (Tf): Less then 30nS

(To measure by 10MHz square-wave Duty 50%).

Image:

Charactet Area:

Horizontal: Vertical:

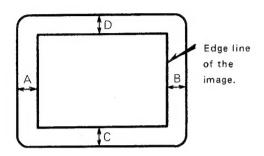
9.45 ± 0.2" (240 ± 5mm)

 7.09 ± 0.2 " (180 ± 5mm)

TX-1404FH

IMAGE POSITION:

To be able to adjust at the center of the CRT. Image is within the area in Fig.



A-B ≦0.236" (6mm) C-D ≦0.236" (6mm) Normal Condition

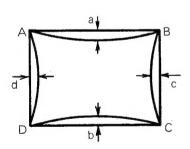
DISTORTION:

(A) PINCUSHION

Upper: (a): Less than 0.098" (2.5mm) Lower: (b): Less than 0.098" (2.5mm)

Right and Left (c), (d):

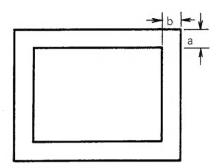
Less than 0.098" (2.5mm)



Input signal......Cross-hatch

(B) RECTANGULARENESS & PARALLELOGRAM DISTORTION

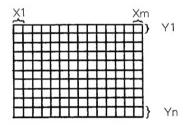
Edge of the image is within the area indicated by the dotted line in Fig.



a......0.157" (4mm) b......0.157" (4mm) Input signal......Cross-hatch

(C) LINEARITY

Horizontal and vertical linearity shall be less than 7% see Fig.



Horizontal linearity

$$\frac{\text{X max} - \text{X min}}{\text{X max} + \text{X min}} \times 100(\%) \le 7\%$$

Vertical linearity

$$\frac{Y \text{ max } - Y \text{ min}}{Y \text{ max } + Y \text{ min}} \times 100(\%) \le 7\%$$

Note: Maximum and minimum value should not be adjacent to each other.

X max is maximum value among X1~Xm.

X min is minimum value among X1~Xm.

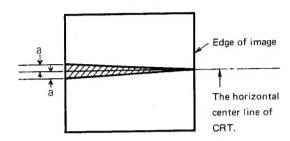
Y max is maximum value among Y1~Yn.

Y min is minimum value among Y1~Yn.

Input signal.....Cross hat, Green.

(D) ROTATION

Horizontal center line of the image shall be within the shaded area in Fig.



a......0.098" (2.5mm)
Input signal......Cross-hatch, Green.

Note: Should be measured under the following terrestrial magnetic field.

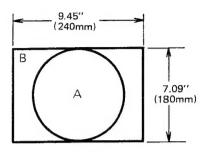
- 1). Without horizontal magnetic field.
- 2). With vertical manetic field.

IMAGE SIZE VARIATION:

| | Image size variation from the normal image size. | Range of Variation |
|-------------------------------|--|---------------------------|
| By Brightness | Within 0.157"(4mm) (Horizontal and Ver- tical) | Max. to Min. |
| By Power Supply Voltage | Within ±0.118" (3mm) (Horizontal and Ver- tical) | AC 90~140V AC 180~264V |
| By tempe- rature | Within ±0,157"(4mm) (Horizontal and Vertical) | 25 ±25° C |

Normal condition, if not mensioned.

OVERALL PERFORMANCE: MIS-CONVERGENCE



Center of the display area (A) ≤ 0.0236 " (0.6mm) Peripheral display area (B) ≤ 0.0315 " (0.8mm)

Note: Should be measured under the following conditions.

*With out horizontal magnetic field.(terrestrial).

*with vertical magnetic field.

*At room temperature.

*Input signal: Cross-hatch, R.G.B. mixed color.

HORIZONTAL RESOLUTION:

Horizontal

800pixels

Vertical

690pixels

RESISTER BETWEEN FG AND SG:

15Kohms ±10%

INSULATION:

More than 100Mohms (Between AC line and Chassis)

JITTER:

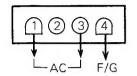
Less than I dot.

(Invisible at a distance of 17.7" (45cm)

from CRT surface.)

CONNECTOR AND WIRING

POWER SUPPLY:



1 3

Power input AC90~140/180~264V 50Hz/60Hz

(4)

Frame ground

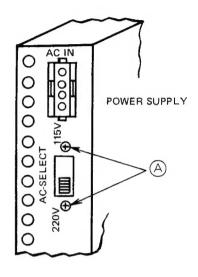
When factory shipping, the power select Switch of the monitor power supply is set at 220V Side (AC input $180\sim264V$).

There fore when use this unit in the $90\sim140\text{V}$ area, loose the 2(two) screws \bigcirc as shown figure before power on then change the switch at 115V Side.

CONNECTOR TYPE:

MFR.....AMP Lock Connector

| Display Side | Customer Side |
|---------------|---------------|
| 4-Cap-housing | Connector |
| (350780-1) | (350779-1) |
| Pin Contact | Contact |
| (350561-1) | (350570-1) |



SIGNAL INPUT:

| 2468101214161320 |
|------------------|
| 13579113151719 |

| Pin No. | Name | Pin No. | Name |
|---------|----------------------|---------|------------|
| 1 | Vertical Sync(V.S) | 2 | V,RTN (SG) |
| 3 | | 4 | |
| 5 | Horizontal Sync(H.S) | 6 | H.RTN (SG) |
| 7 | Sound (Option) | 8 | SG |
| 9 | | 10 | SG |
| 11 | | 12 | SG |
| 13 | | 14 | SG |
| 15 | Video (R) | 16 | R.RTN (SG) |
| 17 | Video (G) | 18 | G.RTN (SG) |
| 19 | Video (B) | 20 | B.RTN (SG) |

CONNECTOR TYPE:

Display Side

MFR...Hirose Electric Co.,Ltd.

20P Connector

(HIF3-20P-254DS)

Custmer Side

MFR...Hirose Electric Co.,Ltd.

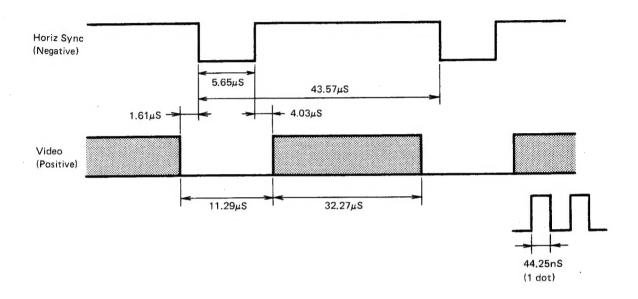
20P Connector

(HIF3N-20P-254R)

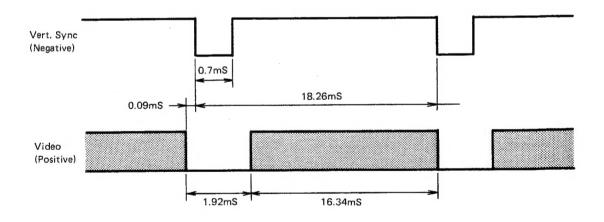
Note: The connectors of customer side are for your reference.

TIMING CHART

HORIZONTAL SYNC:



VERTICAL SYNC:



Note: Signal input level: TTL level Time Tolerance: ±0.1%

Unit is adjusted according to this timing and frequency.

CONSTRUCTION AND BLOCK DIAGRAM

CONSTRUCTION OUTLINE

AC90-140/180-264V POWER SP (Option)

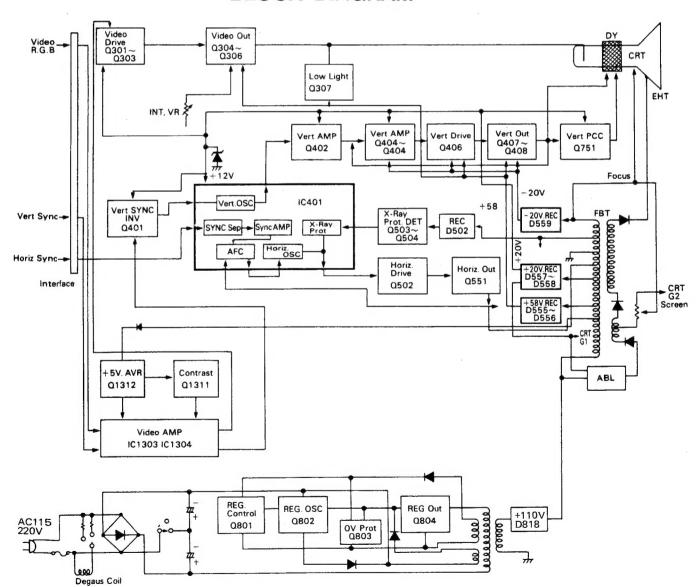
Video (R.G.B)
H.SINC
V.SINC

INTENSITY

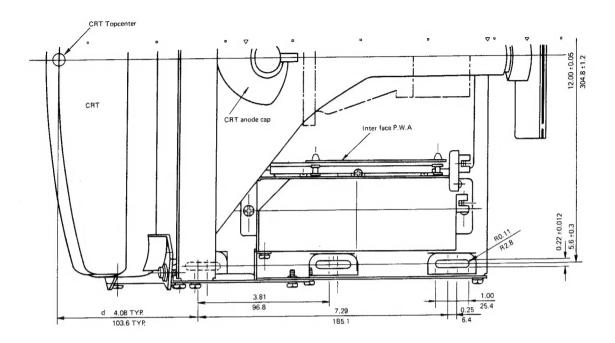
Note 1: CRT's Conducting Film is Connected to SG. (Signal Ground)

Note 2: SG and FG (Frame Ground) are separated by 15Kohm resister.

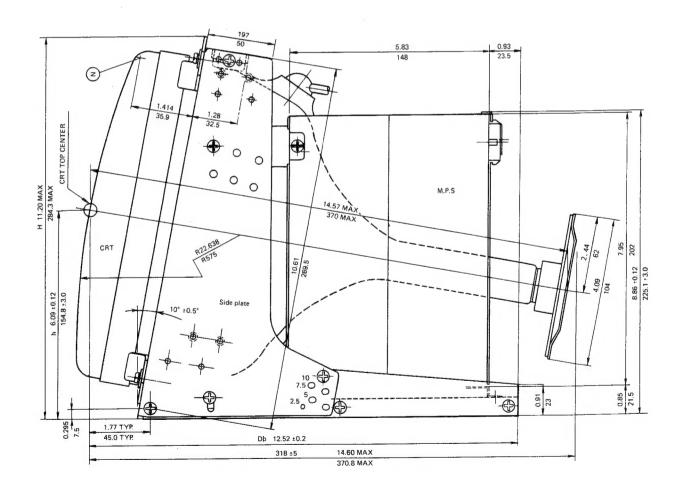
BLOCK DIAGRAM



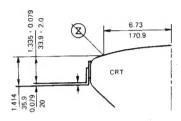
DIMENSION

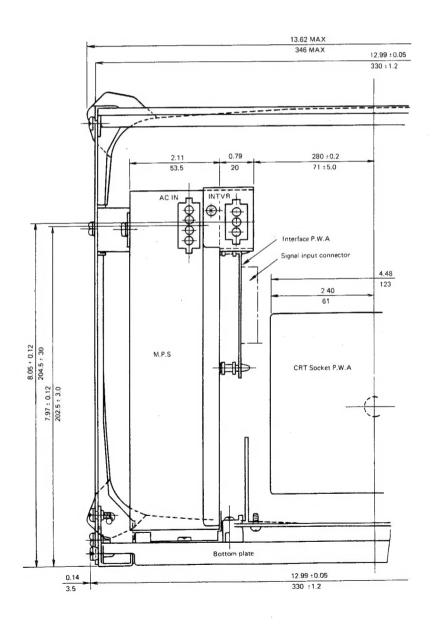


Dimension: Upper Side: inch Bottom Side: mm

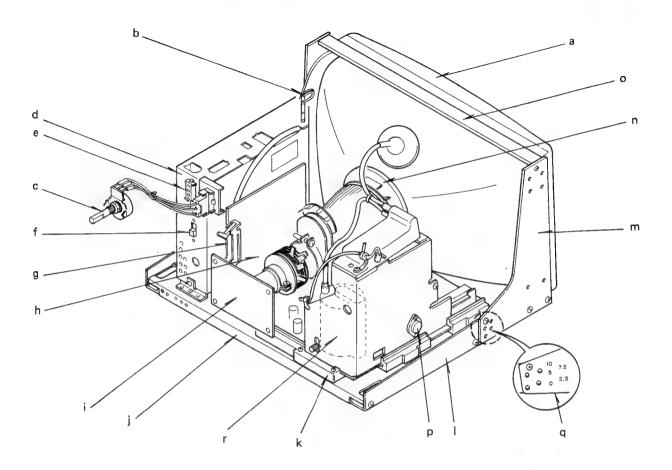


| CRT TILT | H (inch) | MAX (mm) | h | ± 0.12 ± 30 | d | TYP. | Db ± | 0.2 5.0 | |
|----------|-------------|-------------|------|----------------|------|-------|-------|------------|--|
| 0° | 11.30 | 287.0 | 5.70 | 144.8 | 5.06 | 128.5 | 13.50 | 342.9 | |
| 2.5° | 11.30 | 286.9 | 5.81 | 147.7 | 4.82 | 122.4 | 13.26 | 336.8 | |
| 5° | 11.29 | 286.7 | 5.92 | 150.4 | 4.58 | 116.3 | 13.02 | 330.7 | |
| 7.5° | 11.25 | 285.7 | 6.01 | 152.7 | 4.33 | 110.0 | 12.77 | 324.4 | |
| 10° | 11.20 | 284.3 | 6.09 | 154.8 | 4.08 | 103.6 | 12.52 | 318.0 | |





COMPONENT LOCATION



a.....CRT

b.....Degaus Coil Cnnector

c....Intensity VR

d.....Power Supply

e.....Power input Connector

f.....Power Select Switch

g....Signal Input Connector

h....Interface Board

i.....CRT Socket Board

j.....Bottom Plate

k.....P.W.A Holder

I.....Mounting Metal

m....Side Plate

(Right and Left)

n.....Deflection Yoke

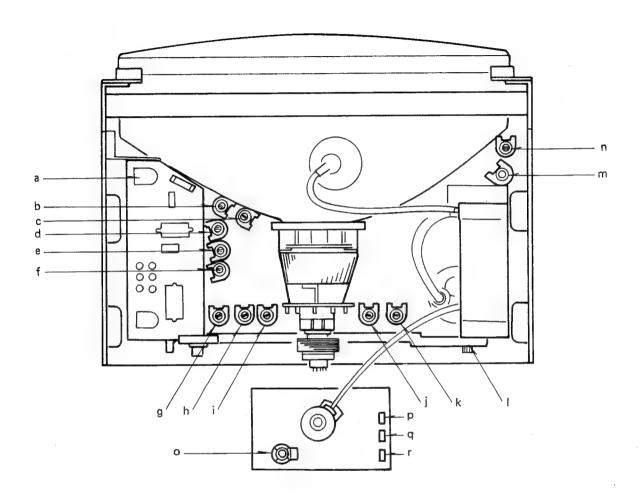
o.....TOP. Angel

p.....H. OUT, TR (Q551)

q.....CRT Tilt Chang Posi

r.....FBT

CONTROL DESCRIPTION



a.....B-ADJ (VR81)

b.....V.PCC (R754)

c....V.Lin (R424)

d.....R.GAIN (R301)

e....G.GAIN (R311)

f.....B.GAIN (R321)

g.....V.POSI (R420)

h.....V.SIZE (R426)

i..... V.HOLD (R407)

J.....H.HOLD (R516)

k....H.PHASE(R540)

I.... FOCUS

m... H.WIDTH (L555)

n....SUB BRIGHT (R554)

o.....SCREEN (R372)

p....LOWLIGHT R

(R338)

q..... LOWLIGHT B

(R358)

r.....LOWLIGHT G

(R348)



CAUTION TO ADJUSTMENT AND REPAIR

- 1. Degaussing is inevifably required at purity adjustment or convergence adjustment.
- 3. If you check or adjust electrical specification or function, more than 20 minutes burn-in is required.
- 2. At the factory, white balance meter is used but we descriped the data in simple way.
- 4. Reforming of the leadwire is required after your repair work.

CAUTION FOR SERVICING

In case of servicing or replacing CRT, high Voltage sometimes remains in the anode of CRT, So, completely discharge high voltage before servicing or replacing CRT so as to prevert a shock to the serviceman.

In this case, dischage to the external conductive coating (aquadac) of CRT.

Factory set the switch at 220V side of monitor power supply.

When you need switchover, off is required before it. As this model is the Frame type, any pressure on the CRT neck shall be avoided.

ADJUSTMENT PROCEDURE -

1. Voltage adjustment

(1) +B (110V) Voltage adjustment Adjust the VR81 (+B-ADJ) so as that the voltage at TP1 (test point of TNP82840) shall be 110V.

- (2) Confirming the +B2, -B3, +B4.
- 2-1 +B2 (+58V)

 Confirm the voltage at TP3 (test point of A-P, W, B) is +58 ±2V.
- 2-2 -B3 (-20V) Confirm the voltage at TP4 (test point of A-P, W, B) is $-20 \pm 2V$.
- 2-3 +B4 (+20V)

 Confirm the voltage at TP5 (test point of A-P, W, B) is \pm 20V \pm 2V.
- 2-4 +B5 (+8.5V) Confirm the voltage at TP6 (test point of F-P, W, B) is $+8.5 \pm 0.5$ V.

(3) Confirm the Heater voltage Measure and confirm the voltage at the seveth pin of CRT socket is 6.0 ±0.2V rms.

Measuring should be done later more than five minutes after power on.

2. CRT Screen adjustment (Adjustment of CRT cut off)

- Adjust the R,G,B switch of signal generator so as that the CRT screen shows no signal.
- 2) Turn the sub-brightness VR (R554) to the MIN.
- 3) Turn the screen VR (R372) to the MIN.
- Turn all the low light VRs clockwise from the solder view.
- 5) Insert the service switch of SC401 into "S" side.
- 6) Turn R554 (sub-brightness VR) so as that the voltage of G1 is -17V.

Use the probe of 100:1 ratio.

- 7) Turn the screen VR and find what is the color which is light emitted at the last moment.
- 8) Turn the low light VRs of each color except that of your finding at item 7 toward darkness to the MAX
- 9) Turn the screen VR and set it where the color you found at item 7 can be seen slightly.
- 10) Turn the low light VRs of other two colors and set them where these two colors can be seen at the same degree as you adjusted the color at item 9.
- 11) Insert the service switch of SC401 into "N" side.
- 12) Adjust R554 (Sub-brightness control volume on

Main P.W.A) and set at the point where raster is off.

13) Viewing the oscilloscope, turn the R554 anticlockwise until the voltage lowers 5V further (CRT 8 pin G1 voltage shows -22V.)

3. White Balance adjustment

- 1) Set the video gain volume (R.G.B) at the center.
- 2) Input the white signal of "H".
- 3) Adjust the video gain volumes (R:R301,G:R311, B:R321) so as that CRT shows white color.
- 4) After adjusting the white balance, rotate the brightness volume from MAX to MIN and make sure that the white balance is not changed. If something is wrong, please adjust the low light volume.

4. Purity adjustment

In case of ITC, this specification is applied only when the problem is found in the execution of "final confirmation method for purity"

- 1) Make sure that this adjustment should be done later more than 30 minutes after power on.
- 2) In the no magnetic field, erase the magnetism of chassis and CRT with degaussing coil.
- Confirm that static convergence is roughly matched.
- Display Red color solely with the signal generator.
- 5) Move the D.Y. to rear and adjust the purity magnet so as that the fireball is showed at the center of the screen.
- 6) After the adjustment of item 5, re-adjust the static convergence if some gap was found.
- 7) After the item 6, repeat the item 5 again.
- 8) Display the fireball of G and B. Adjust the purity magnets so as that each fire ball is at the center of the screen simultaneously.
- Display the red color solely again and move the D.Y. in order to display the red color on the whole screen
- 10) Confirm the"no magnetic field", "magnetic field" and "reverse magnetic field" to R.G.B respectively.
- 11) If there remains magnetism even after the adjustment, put the compensation magnet for purity to make countermeasure.



The final confirmation method for purity

In the natural magnetic field, rotate the set in the direction of East, West, South and North. Field magnetic may causes magnetism on the set. Confirm that the automatic degaussing circuit built in the set can erase the amount of magnetism which was magnetized with above rotation.

5. Convergence adjustment

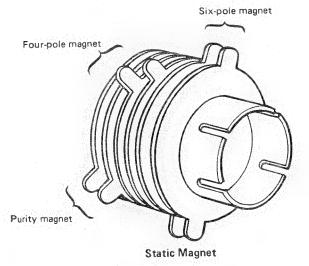
- 1) Input the mixed dot pattern of R and B with the signal generator.
- Match the R and B at screen center with four pole magnet. (Rotate the two ring magnets and R. B move circularly with the other direction respectively.)
- 3) Input the mixed dot pattern of R.G.B with the signal generator.
- 4) At the screen center, match R and B to G with the six-pole magnet.
- 5) Make the fine tuning of D.Y. location so as to get good convergence on the whole screen.
- 6) If the convergence on the fringe area is bad, put "the magnetic small pieces" at the four corners of D.Y. and fix them the convergence becomes better.

Note: Caution for putting "the magnetic small pieces".

- (1) Take more than 20mm distance from anode cap.
- (2) Don't put them duplicately.
- (3) Don't put it on some other labels.
- 7) After the convergence adjustment, confirm if purity is OK.

In case purity is no good, back to [4] purity adjustment and re-adjust the purity.

8) Repeat the above procedure in several times and get the best purity and convergence.



6. H. Hold Adjustment

Adjust R516 (H. Hold) so as that the character area locates at the raster center (Horizontally).

7. V. Hold Adjustment

Turn the R407 (V. Hold) toward lower vertical frequency so as that the picture becomes out of synchronous...

Turn the R407 (V.Hold) toward the opposite direction to the before until the picture becomes synchronized.

8. V. LIN Adjustment

- 1) Display cross-hatch with the character generator.
- 2) Adjust R426 (V. Size) for the vertical size to be 180 ±2mm.
 - Adjust R420 (V. Posi) for cross-hatch to locate at CRT center.
- 3) Adjust R424 (V. Lin) for the V. LIN to be the

9. V. size Adjustment

Adjust R426 (V. size) for the vertical size to be 180 ±2mm.

10. V. POSI Adjustment

Adjust R420 (V. posi) for the character area to locate at the CRT center.

11. H. Width Adjustment

Adjust L555 (H. Width) for H. WIDTH to become 240 ±2mm.

Note: Inserting the L555's core into bobin is the direction of the adjustment.

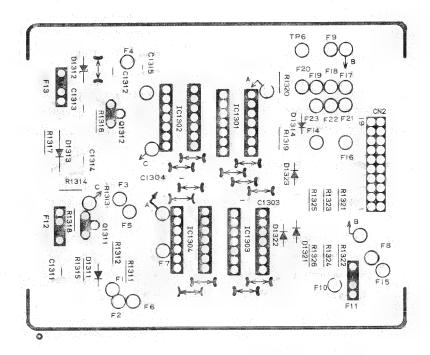
12. V. PCC (Vertical pin cushion) Adjustment

- 1) Display cross-hatch (Green color) with the signal generator.
- 2) Adjust R754 (V. PCC) for vertical pin cushion to become minimum.

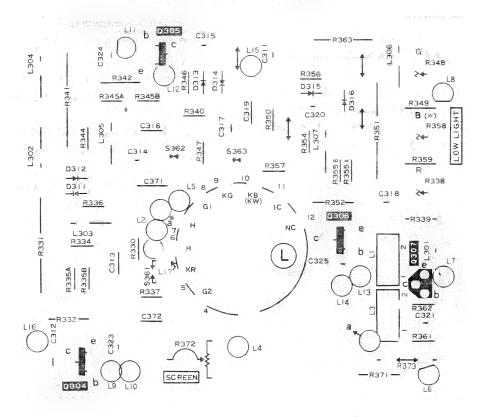


INTERFACE AND CRT-SOCKET CIRCUIT BOARD SOLDER VIEWS

Interface Board (TNP81121)



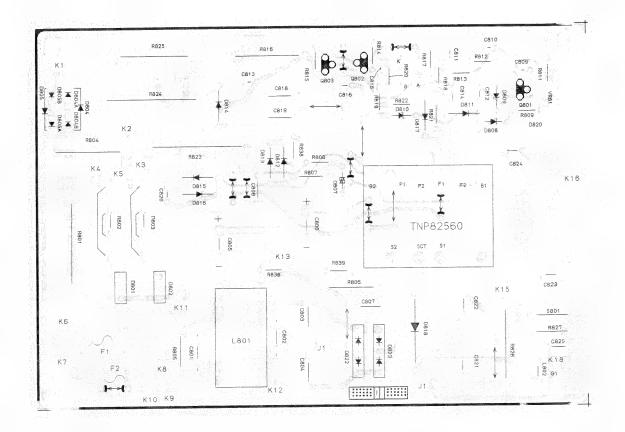
CRT Socket Board (TNP85952)





POWER SUPPLY CIRCUIT BOARD-SOLDER VIEW-

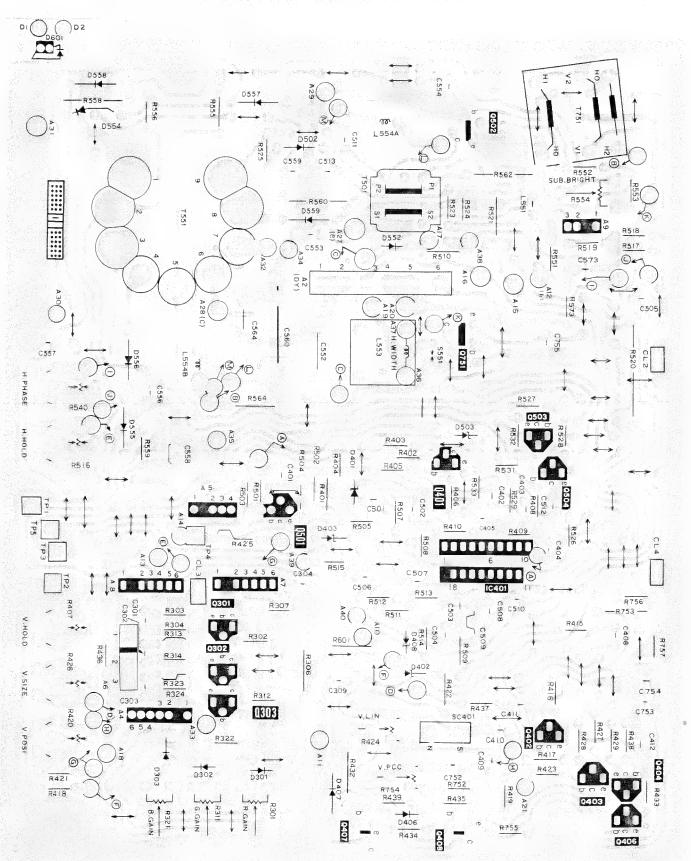
MONITOR POWER SUPPLY CIRCUIT BOARD-SOLDER VIEW



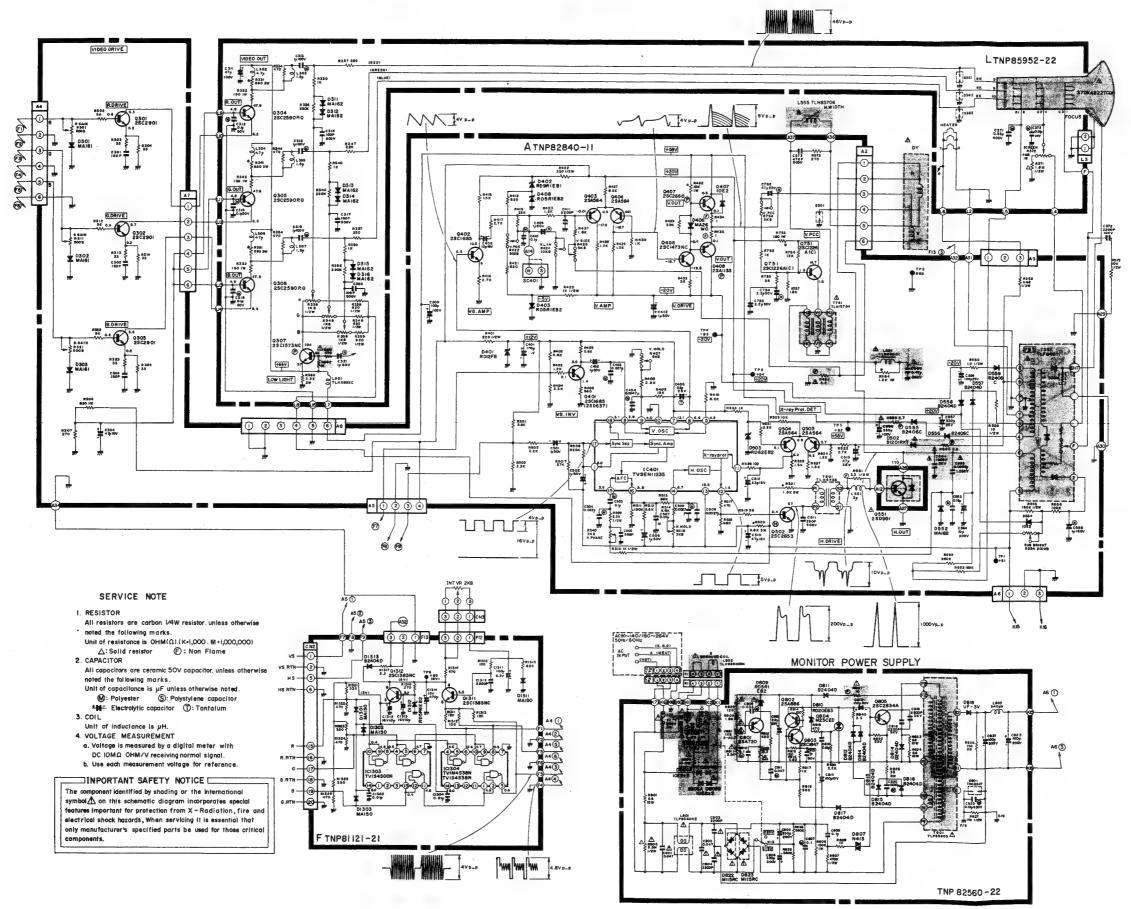


DRIVE CIRCUIT BOARD SOLDER VIEW -

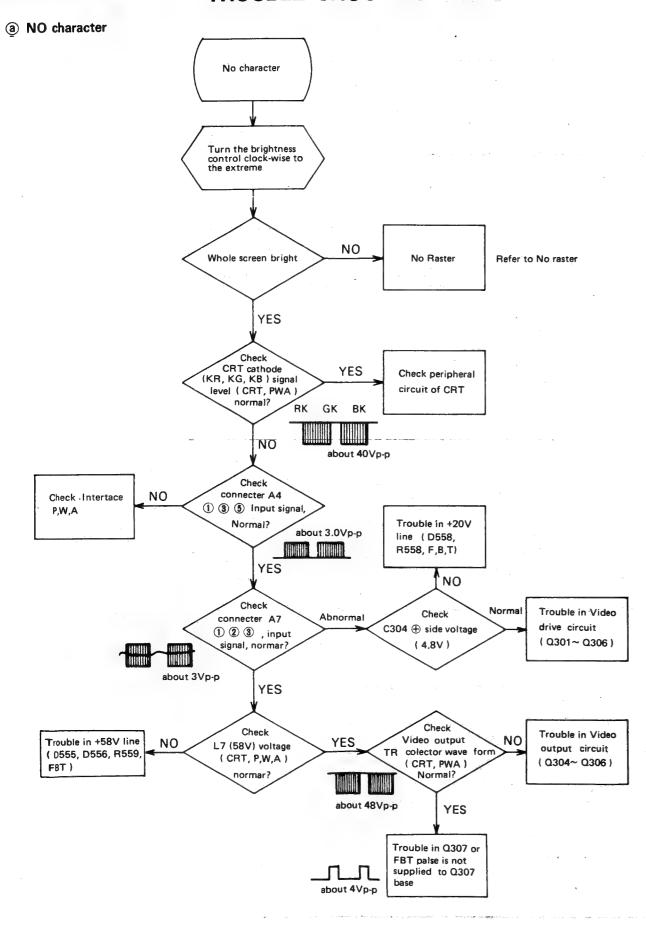
Analog Board TNP82840 (Main P.W.A)

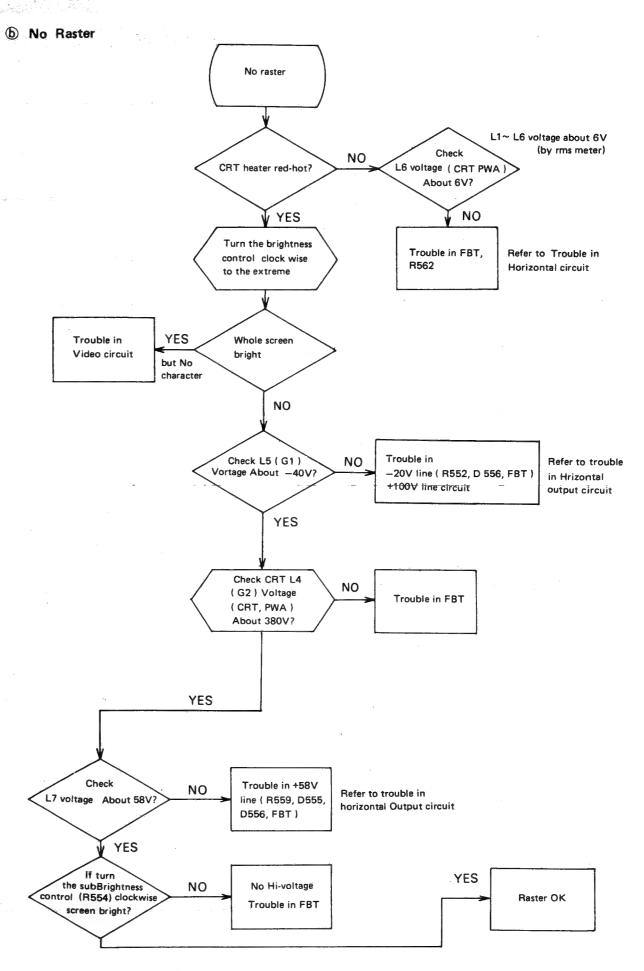


SCHEMATIC DIAGRAM FOR TX-1404FH

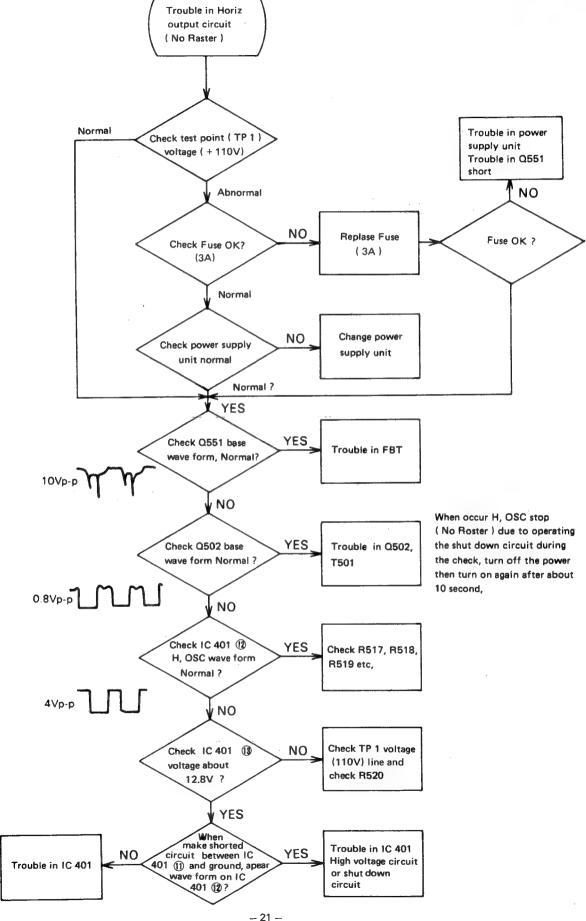


TROUBLE SHOOTING HINTS



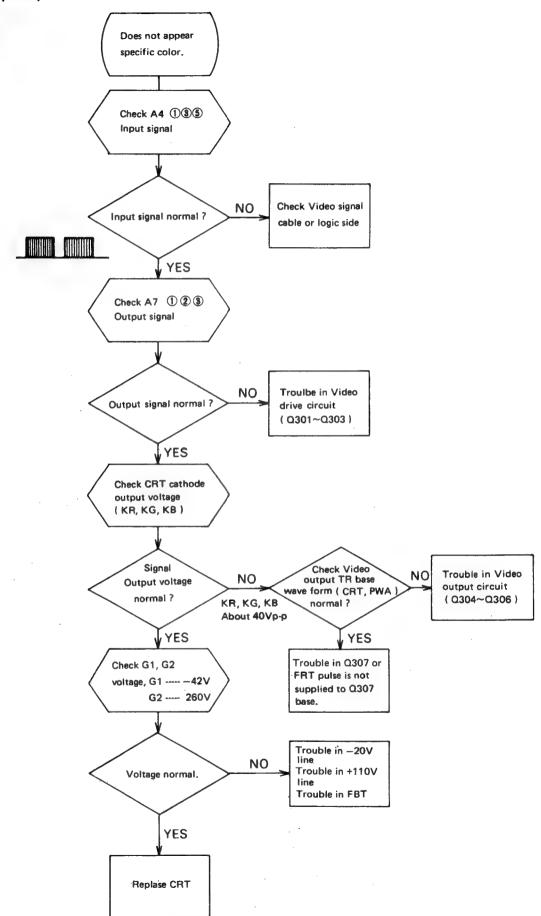


(b)-1 Trouble in Horiz Out Circuit

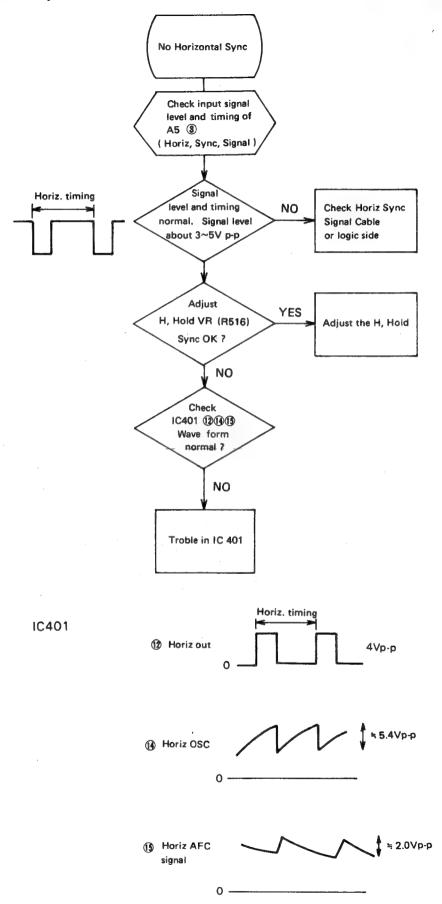


TX-1404FH

© Does not appear specific color

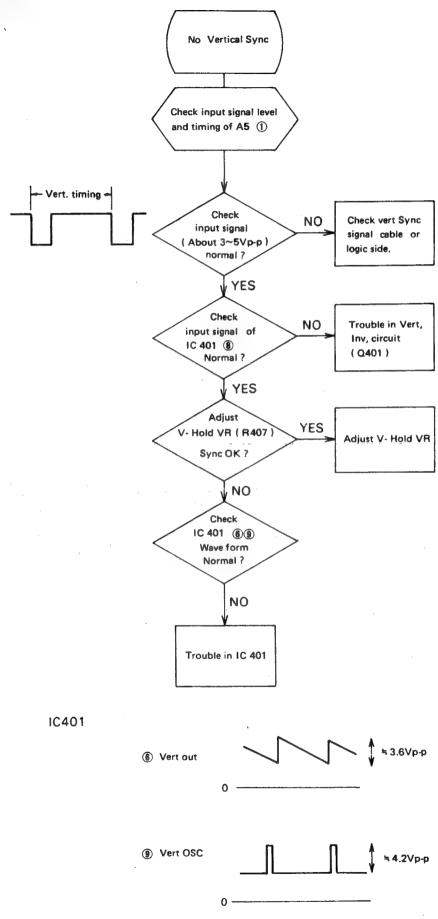


@ NO Horizontal Sync.

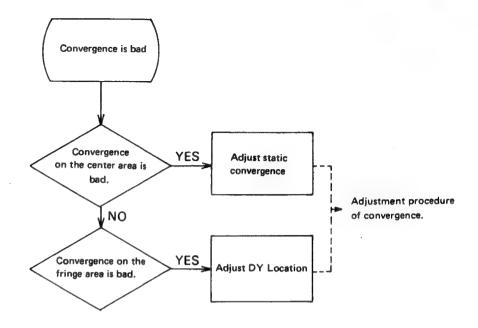


TX-1404FH

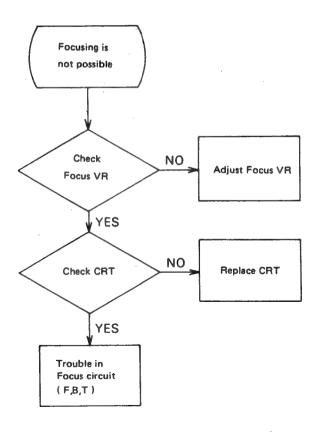
@ NO Vertical Sync.



① Covergence is Bad

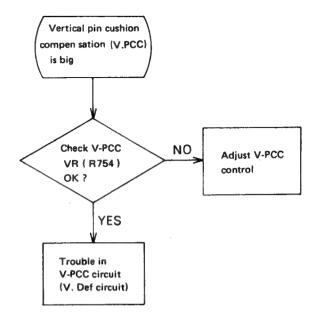


® Focusing Problem

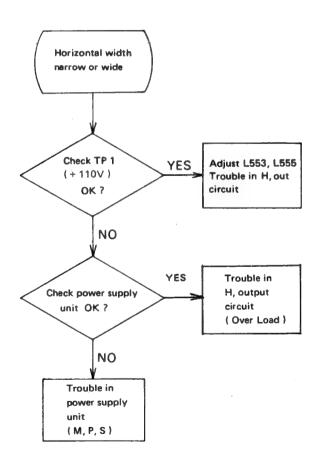


TX-1404FH

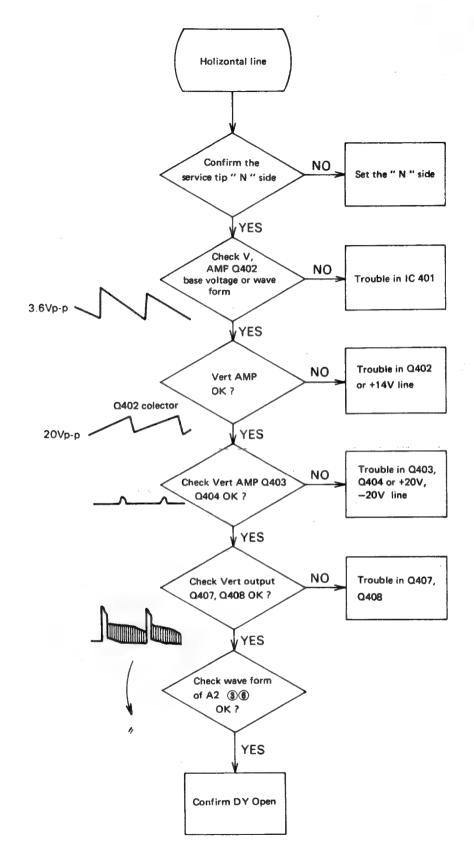
(h) Vertical Pin Compensation (V.PCC) is big



(i) Horizontal width is Abnormal



(j) Horizontal Line



REPLACEMENT PARTS LIST-

Cormponents identified by the International symbol \triangle have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.

Note: Tolerance J: ±5% K: ±10% Z: ±80% C: ±0.25pF

| Ref. No. | Part No. | Description | Ref. No | Part No. | Descri | ption | | |
|-------------|----------------------------|--|----------------|----------------------------------|--|-------|---|------------|
| CAB | INET AND MA | AIN CHASSIS PARTS | | XWA5B XWG5H17 | CRT Fixing Spring CRT Fixing Washer | | | |
| | TUW85903 TUW85904 | Side Plate (Riht) Side Plate (Left) | TN | IP82840-11 MA | IN P.C. BOAR | D | | |
| | TUX85106 TUX85819 | Top Angle Side Bracket (Right) | | | | | | |
| | TUX85820 | Side Bracket (Left) | E. | IC & TRAN | | | | - |
| | TUX85821 | Bottom Plate | Q301 Q302 | TVSEN11235 2SC2901 2SC2901 | I.C Transistor Transistor | | | |
| · | TUX85109 TUC85907 | Bracket Power Case | Q303 | 2SC2901 | Transistor | | | |
| | TUC85908 | Power Cover | Q401 | 2SC1685 | Transistor | | | |
| | TUW85304 | Switch Plate | Q402 | 2SC1685 | Transistor | | | |
| | TNID00040 41 | Main P.C. Board Ass'y | Q402 | 2SA564A | Transistor | | | |
| | TNP82840-11 TNP91952-22 | CRT P.C. Board Ass y | Q404 | 2SA564A | Transistor | | | |
| | TNP81120-11 | Sub P.C. Board Ass'y | Q406 | 2SC1473QNC | Transistor | | | |
| | TNP82560-22 | Power P.C. Board Ass'y | Q407 | 2SC2660LBP | Transistor | | | |
| \triangle | TLK859009N | Degauss Coil | 0.400 | 00 444001 00 | Transistar | | | |
| | | | Q408 Q502 | 2SA1133LBP 2SC2653HLB | Transistor Transistor | | | |
| | 370KAB22TC01 | Picture Tube | Q502 | 2SC2653FLB 2SA564A | Transistor | | | |
| | TUX85205 | Connector Bracket | Q504 | 2SA564A | Transistor | | | |
| | TUX85112 TBM80845-1 | Power (Block) Bracket Model (Plate) TX1404FH | Q751 | 2SC1226AC | Transistor | | | |
| ļ | TJB85302-1 | Focus Terminal Road | - | 1 | | | | |
| | | | | DI | ODES | | | |
| | TKX850301 | P.C. Board Holder | D301 | MA161 | Diode | | | |
| | TKX850401 | P.C. Board Holder | D302 | MA161 | Diode | | |] |
| · | TKX850501 | P.C. Board Holder Bracket | D303 | MA161 | Diode | | | |
| , | TMK84518 | CRT Barrier | D401 | TVSRD12FB | Diode | | | |
| | TMK13511 | TR Barrier | D402 | TVSRD9R1EB1 | Diode | | | |
| | TMK3410 | Maica | D403 | TVSRD5R1EB2 | Diode | | | |
| | TMK84510 | Focus Barrier | D406 | MA26 | Diode | | | |
| | TMK84520 | Insulator Sheet | D407 | TVS10E2 | Diode | | | |
| | TMM1459 | Clip | D408 | TVSRD5R1EB2 | Diode | | | |
| | TMM5402-1 | Clamper | D502 <u>↑</u> | TVSB1201RKT | Diode | | | |
| | TMM15202 | CRT Socket Cover | D503 | TVSRD6R2EB2 | Diode | | | |
| | TMM81452 | Insulator | D552 | MA162 | Diode | | | |
| | TES201 | Coil Spring | D554 | TVS10E2 | Diode | | | 1 |
| Q551 A | 2SD951 | Transistor | D555 | TVSB2406C | Diode | | | |
| L555 △ | TLH85706 | Coil | D556 | TVSB2406C | Diode | | | |
| C572 | ECQW100222K | Polyester | D557 | TVSB2404D | Diode | | | 1 |
| R572 | ERD50FJ103 | Carbon 10KΩ J ½ | | TVSB2404D | Diode | | | |
| VR305 | EVV58AF25B23 | Control | D559 | TVSB2406C | Diode | | | |
| | TXAJTA3P478 | 3P Connector Ass'y | | | ! | | | |
| | TXAJTA6P156 | 6P Connector Ass'y | | COILS | & TRANS | | | |
| | TXAJTA3P479 | 3P Connector Ass'y | L551 | TLT030L119C | Peaking Coil | | | |
| | TXAJTA2P015 | 2P Connector Ass'y | L554 △ | | Coil | | | |
| | TPC851432 | Outer Carbon TX1404FH | T501 T551 △ | TLH6466 TLF84611 | Coil Flyback Trans | | | |
| | TXAPD11404ZE | Filler Complete | T751 A | | Coil | | | |
| | TPD359005 | Filler | | | | | | |
| | TPE174005 | Set Cover | | | PACITORS | | | |
| | TQA811118 | Schematic Diagram | C301 | ECKD1H151KB2 | | 150pF | K | 50V |
| 1 | TQF80759 | Warning Label | C302 | ECKD1H151KB2 | Ceramic | 150pF | K | 50V |
| | TQE616 | Bag | C303 | ECKD1H151KB2 | | 150pF | K | 50∨ 10∨ |
| | XTB4+20BFN | CRT Fixing Screw | C304 | ECEA1AS470 | Electrolytic | 47µF | | 100 |

MODEL NO. TX-1404FH

| Ref. No. | Part No. | Desc | cription | | | Ref. No |). | Part No. | Des | cription | | |
|--------------|----------------------------|---------------|------------------|---|-------|--------------|-----|-----------------------------|-------------------|------------------|---|------|
| C309 | ECEA2AS101 | Electrolytic | 100μF | | 100V | R403 | | ERD25FJ122K | Carbon | 1.2ΚΩ | j | 1/2V |
| C401 | ECEA1CS101 | Electrolytic | 100µF | | 16V | R404 | | ERD25FJ332K | Carbon | 3.3K Ω | J | 1/2V |
| 2402 | ECEA1HS010 | Electrolytic | 1μF | | 50V | R405 | | ERD25FJ562K | Carbon | 5.6KΩ | J | 1/2V |
| 403 | ECQM1H273JZ | Polyester | $0.027 \mu F$ | J | 50V | R406 | | ERD25FJ561K | Carbon | 560Ω | J | 1/21 |
| 2404 | ECQM1H472JZ | Polyester | 4700pF | J | 50∨ | R407 | | EVTV0UA00B53 | Control | . 5KΩB | J | 1/21 |
| 2405 | ECSF25E2R2Y | Tantalume | 2.2µF | | 25V | R408 | | ERD25FJ222K | Carbon | 2.2ΚΩ | j | 1/41 |
| 2408 | ECEA1CS100 | Electrolytic | 10μF | | 16V | R409 | | ERD25FJ123K | Carbon | 12KΩ | J | 1/41 |
| 409 | ECEA1HN010S | Electrolytic | 1μF | | 50V | R410 | | ERD25FJ822K | Carbon | 8.2K \O | J | 1/41 |
| 2410 | ECQM1H104JZ | Polyester | 0.1µF | J | 50V | R415 | | ERD25FJ152K | Carbon | 1.5 K Ω | J | 1/4 |
| 411 | ECQM1H222JZ | Polyester | 2200pF | J | 50V | R416 | | ERD25FJ272K | Carbon | 2.7ΚΩ | J | 1/4 |
| :412 | ECEA1HS010 | Electrolytic | 1μF | | 50V | R417 | | ERD25FJ272K | Carbon | 2.7ΚΩ | J | 1/4 |
| 501 | ECEA1HS010 | Electrolytic | 1μF | | 50V | R418 | | ERD25FJ821K | Carbon | 820 Ω | J | 1/4 |
| 502 | ECEA1HS010 | Electrolytic | 1µF | | 50V | R419 | 1 | ERD25FJ223K | Carbon | 22KΩ | J | 1/4 |
| 2502 | ECQM1H104JZ | Polyester | 0.1µF | J | 50V | R420 | | EVTV0UA00B52 | Control | 500Ω | J | 1/4 |
| 504 | ECQM1H223JZ | Polyester | 0.022µF | J | 50V | R421 | | ERD25FJ821K | Carbon | 820Ω | j | 1/4 |
| 2505 | ECKD1H561KB | Ceramic | 560pF | K | 50V | R422 | | ERD50FJ331 | Carbon | 330Ω | J | 1/2 |
| 506 | ECEA1HS010 | Electrolytic | 1μΕ | | 50V | R423 | | ERD25FJ122K | Carbon | 1.2KΩ | j | 1/4 |
| 507 | ECQM1H103JZ | Polyester | 0.01µF | J | 50V | R424 | - | EVTS3MA00B14 | Control | 10KΩB | | |
| 508 | ECQM1H272JZ | Polyester | 2700pF | J | 50V | R425 | | ERD50FJ102 | Carbon | 1ΚΩ | J | 1/2 |
| 509 | ECQF6272KZ | Polypropylene | 2700pF | K | 600V | R426 | | EVTS3MA00B23 | Control | 2ΚΩΒ | | |
| 510 | ECEA1CS470 | Electrolytic | 47 µ F | | 16V | R427 | | ERD25FJ822K | Carbon | 8.2KΩ | J | 1/ |
| 511 | ECKD2H391KB9 | Electrolytic | 390pF | Κ | 500V | R428 | ı | ERD25FJ122K | Carbon | 1.2 K Ω | J | 1/ |
| 512 | ECEA1CS330 | Electrolytic | 33µF | | 16V | R429 | | ERD25FJ122K | Carbon | 1.2 K Ω | J | 1/ |
| 513 | ECEA1VS470 | Electrolytic | 47µF | | 35V | R432 | | ERG1ANJ103 | Metal Oxide | 10KΩ | J | 1 |
| 552 △ | ECWH12H562JS | Polypropylene | 5600pF | J | 12V | R433 | | ERD25FJ560K | Carbon | 56Ω | J | 1/2 |
| 553 | ECQM1H184JZ | Polyester | 180KΩ | J | 50V | R434 | | ERD25FJ1R0K | Carbon | 1Ω | J | 1 |
| 5554 | ECEA2DS100 | Electrolytic | 10µF | - | 200V | R435 | - 1 | ERD25FJ1R0K | Carbon | 1Ω | J | 1 |
| 5556 | ECEA160N1 | Electrolytic | 1μF | | 160V | R436 | | ERD25FJ2R2K | Carbon | 2.2Ω | J | 1 |
| C557 | ECEATES331 | Electrolytic | 330µF | | 25V | R437 | - | ERD25FJ122K | Carbon | 1.2ΚΩ | J | 1 |
| C558 | ECEA2AS331 | Electrolytic | 330µF | | 100V | R438 | | ERD25FJ102K | Carbon | 1ΚΩ | J | 1 |
| C559 | ECEA1ES101 | Electrolytic | 100µF | | 25V | R439 | | ERD25FJ221K | Carbon | 220Ω | J | 1 |
| 2560 | ECQF2H474JZ | Polypropylene | 0.47 µ F | J | 500V | R501 | | ERD25FJ562K | Carbon | 5.6KΩ | J | 1 |
| | ECKD3H122JB2 | Ceramic | 1200pF | J | 0001 | R502 | | ERD25FJ332K | Carbon | 3.3KΩ | J | 1 |
| 2564 △ | | Ceramic | 470pF | K | 500V | R503 | - 1 | ERD25FJ332K | Carbon | 3.3 K Ω | J | 1, |
| C573 C752 | ECKD2H471KB ECEA1EN470S | Electrolytic | 47 µ F | | 25V | R505 | | ERD25FJ222K | Carbon | 2.2ΚΩ | J | 1 |
| 2750 | ECEAN INDED | Electrolytic | 2.2µF | | 50V | R507 | | ERD25FJ273K | Carbon | 27KΩ | J | , |
| 2753 | ECEA1HN2R2S | Electrolytic | 2.2µF | | 50V | R508 | | ERD25FJ824K | Carbon | 820KΩ | J | . 1 |
| 2754 | ECEA1HN2R2S | Electrorytic | اهم ۲۰۰۵ | | 504 | R509 | | ERD50FJ222 | Carbon | 2.2 K Ω | J | 1 |
| | D | ESISTORS | | | | R510 | | ERD50FJ102 | Carbon | 1KΩ | J | |
| R301 | EVTS3MA00B52 | 1 Control | 500ΩB | | | R511 | | ERD25FJ154K | Carbon | 150ΚΩ | J | |
| 302 | ERD25FJ560K | Carbon | 56Ω | J | 1/4W | 2540 | - 1 | EDDOEE ICCOM | Carbon | 5.6KΩ | J | |
| 303 | ERD25FJ330K | Carbon | 33Ω | J | 1/4W | R512 | - | ERD25FJ562K | Carbon | 68KΩ | J | |
| R304 | ERD25FJ330K | Carbon | 33Ω | J | 1/4W | R513 | | ERD25FJ683K | Carbon | 6.8KΩ | J | |
| R306 | ERG1ANJ821 | Metal Oxide | 820Ω | Ĵ | 1/4W | R514 | | ERD25FJ682K | Carbon | 3KΩ | J | |
| 1300 | LNG (ANSOZ) | IVICTOR OXIGO | | | | R516 R517 | | EVTS3MA00B33 ERD25FJ471K | Control Carbon | 470Ω | J | |
| R307 | ERD25FJ271K | Carbon | 270Ω | J | 1/4W | | | | | | , | |
| 7311 | EVTS3MA00B52 | Control | 500ΩB | | 4.14. | R518 | - 1 | ERD25FJ681K | Carbon | 680Ω | J | |
| ₹312 | ERD25FJ560K | Carbon | 36 Ω | J | 1/4W | R519 | | ERD25FJ560K | Carbon | 56Ω | J | |
| R313 | ERD25FJ330K | Carbon | 33 Ω | J | 1/4W | R520 | | ERG3ANJ682 | Metal Oxide | 6.8K Ω | J | |
| R314 | ERD25FJ330K | Carbon | 33Ω | J | 14W | R521 | | ERG5ZJ182 | Metal Oxide | 1.8KΩ 2.7KΩ | J | |
| ₹321 | EVTS3MA00B52 | Control | 500 ΩB | | 4 | R523 | | ERD25FJ272K | Carbon | | J | |
| 322 | ERD25FJ560K | Carbon | 56Ω | J | ¼W | R524 | | ERD25FJ122K | Carbon | 1.2ΚΩ | J | |
| 323 | ERD25FJ330K | Carbon | 33 Ω | J | 1/4W | 11 | Δ | ERD25FJ2R2K | Carbon | 2.2Ω | J | |
| R324 | ERD25FJ330K | Carbon | 33Ω | J | 1/4W | R526 | | ERD25FJ101K | Carbon | 100Ω | J | |
| ₹401 | ERD50FJ221 | Carbon | 220Ω | J | 1/2W | R527 | | ERD25FJ152K | Carbon | 1.5KΩ | j | |
| | | | | | | R528 | | ERD25FJ152K | Carbon | 1.5ΚΩ | J | |
| 3402 | ERD25FJ562K | Carbon | 5.6 K Ω | J | 1/2W | 11320 | | -110201010210 | 20.2011 | | | |

| MODEL | NO. | TX-1404 | FH |
|-------|-----|---------|----|
| Part | No. | | |

| Ref. No. | Part No. | | ription | | | Ref. N | lo. | Part No. | Description | | | |
|-----------------------------|---|--|---------------------------------------|----|----------|------------------------------|----------------------|---|-------------------------------|-----------------------|--------|----------------------|
| | | | | | 14W | D809 | <u> </u> | TVSRDSR1EB2 | Diode | | | |
| R529 | ERD25FJ103K | Carbon Carbon | 10KΩ 3.3KΩ | J | %W | D810 | Z:3 | TVSRD20EB3 | Diode | | | |
| R531 | ERD25FJ332K | Carbon | 1ΚΩ | J | 1/4W | D811 | | TVSB2404D | Diode | | | |
| R533 | ERD25FJ102KK | Control | 2ΚΩΒ | J | /4 V V | D812 | | TVSB2404D | Diode | | | |
| R540 | EVTS3MA00B23 | | 3.3Ω | J | 1⁄2W | D812 | | TVSB2404D | Diode | | | |
| R551 | ERD50FJ3R3 | Carbon | 3.312 | J | 72 V V | D813 | | TV5B2404D | Diode | | | |
| R552 | ERD25FJ394K | Carbon | 390KΩ | J | ¼W | D814 | | TVSB2404D | Diode | | | |
| R553 | ERD25FJ104K | Carbon | 100KΩ | J | ¼W | D815 | 1 | TVSB2404D | Diode | | | |
| R554 | EVTS3MA00B25 | Control | 2ΜΩΒ | | | D816 | | TVSB2404D | Diode | | | |
| R555 | ERD50FJ154 | Carbon | 150KΩ | J | 1/2W | D817 | ĺ | TVSB2404D | Diode | | | |
| R556 | ERD25FJ104K | Carbon | 100KΩ | J | 14W | D818 | | TVSUF-3VT | Diode | | | |
| R558 | ERQ12HJ1R0 | Fuseble | 1Ω | J | 12W | D822 | Δ | TVSMI-15R | Diode | | | |
| R559 | ERD25FJ2R7K | Carbon | 2.7Ω | J | 1/4W | D823 | Δ | TVSMI-15S | Diode | | | |
| R560 | ERQ12HJ1R0 | Fuseble | 1Ω | J | 12W | L801 | $\overline{\Lambda}$ | TLP85604E | Trans | | | |
| R562 | ERQ12HKR33 | Fuseble | 0.33Ω | K | 12W | L802 | _ | TLT341-119C | Peaking Coil | | | |
| R564 | ERG1ANJ122 | Metal Oxide | 1.2 K Ω | J | 1 W | T801 | Δ | TLP85905-1 | Trans | | | |
| | | | | | | - | | | | | | |
| R573 | ERD25FJ271K | Carbon | 270Ω | J. | %W %W | | | CAPA | CITORS | | | |
| R572 | ERD25FJ102K | Carbon | 1KΩ | J | 1 W | C801 | | ECQU1A473ME | Polypropylene | 0.047#F | | |
| R753 | ERG1ANJ181 | Metal Oxide | 180Ω | J | 1 77 | C802 | Δ | ECQU1A473ME | Polypropylene | 0.047µF | | |
| R754 | EVTS3MA00B53 | Control | 5KΩB | | 1/34/ | C803 | Δ | ECKDEL222ZE | Ceramic | 2200pF | | |
| R755 | ERD25FJ560K | Carbon | 56Ω | J | 1/4W | C804 | ⚠ | ECKDEL222ZE | Ceramic | 2200pF | | |
| R756 | ERD25FJ123K | Carbon | 12ΚΩ | J | ¼W | C805 | | ECES2DV331S | Electrolytic | | | |
| R757 | ERD25FJ123K | Carbon | 1.8ΚΩ | J | 14W | | | | E | 0005 | | |
| n/5/ | ENDZSFS16ZK | Carbon | 1.0142 | | /400 | C806 | | ECES2DV331S | Electrolytic | 330#F | V | 400V |
| | OTI | HER PARTS | | | | C807 | | ECQE4104KZ | Polyester | 0.1µF | K | 400V |
| | | TEN FANTS | | | | C808 | | ECQE4104KZ | Polyester | 0.1µF | J | 50V |
| S551 | TGPS152GL | Spark Gap | | | | C809 | 1 | ECOM1H333JZ | Polyester | 0.033 <u>#</u> F | | ĐŨ V |
| A4 | TJS868280 | 6P Housing Sock | et | | | C810 | | ECQM1H104JZ | Polyester | 0.1µF | | |
| A5 | TJS868260 | 4P Housing Sock | | | | | | E00141147017 | | 0.0475 | | |
| A7 | TJ\$868280 | 6P Housing Sock | | | | C811 | | ECQM1H473JZ | Polyester | 0.047µF | | 25V |
| A8 | TJS868280 | 6P Housing Sock | et | | | C812 | | ECEA25Z22E | Electrolytic | 22µF | | 25 V |
| | | | | | | C813 | | ECQV05105JZ | Ceramic | 100µF | | 10V |
| A9 | TJS868250 | 3P Housing Sock | | | | C814 | | ECEA1AS101 | Electrolytic | 0.01µF | J | 50V |
| | TXAJTA1P076A | 1P Connector As | - | | | C815 | | ECQM1H103JZ | Polyester | 0.01 | J | 30 V |
| | TXAJTC3P504 | 3P Connector As | s'y | | | 0040 | | E0E 44110404 | Classas lessis | 100#F | | 50V |
| | TMM85501 | Rubber | | | | C816 | | ECEA1HS101 | Electrolytic | 2200pF | K | 30 V |
| | TUX85810-1 | Flyback Bracket | | | | C818 | | ECKD3F222KBN | Ceramic | 2200pF 2200pF | K | |
| | | | | | | C819 | | ECKD3F222KBN | Ceramic | 100#F | _ | 200V |
| | TES6162 | Tr. Spring | | | | C820 | | ECQM1H154JZ | Electrolytic | 100#F | | 200V |
| | TMK81423 | Mica Sheft | | | | C821 | | ECEA2DS101 | Electrolytic | IUUMF | | 200 V |
| | | | | | | C823 | | ECEA2DS101 | Electrolytic | 100µF | | 200V |
| TN | P82560-22 PO | WER P.C. BO | ARD | | | C825 | | ECQE6103KZ | Polyester | 0.01µF | К | 600V |
| | TRAN | SISTORS | | | | | | RESIS | TORS | | | |
| Q801 | 2SA720 | Transistor (R.S) | | | | R801 | Δ | ERF15ZXK5R6 | Non Flame | 2.7Ω | K | 5 W |
| Q802 | 2SA886QBF | Diode (R) | | | | R804 | Λ | ERF5AJ680 | Non Flame | 68Ω | J | 5 W |
| Q803 | 2SC1847QBF | Diode (R) | | | | R805 | Δ | ERC12ZGK335 | Carbon | 100KΩ | ′ K | 14W |
| Q804 | M23CED | Transistor (IFD) | | | | R806 | | ERC1GK154 | Solid | 150KΩ | J | 1 W |
| Q805 | 2SC2834A | Transistor | | | | R807 | | ERD50FJ474 | Carbon | 470KΩ | J | 1∕2W |
| | | 0050 | · · · · · · · · · · · · · · · · · · · | | | R808 | | ERD25FJ102K | Carbon | 1ΚΩ | J | 1⁄4W |
| | | ODES | ÷ | | | R809 | Δ | ERD25FJ102K | Carbon | 1.8ΚΩ | J | 14W |
| | 1 | Posistor | | | | R811 | <u>A</u> | ERD25FJ332K | Carbon | 680Ω | J | 14W |
| D801 <u>∧</u> | ERPF6B0M100F | | | | | R812 | لنسه | ERD25FJ681K | Carbon | 680Ω | J | 1/4W |
| D802 🛕 | ERPF5B0M100F | Posistor | | | | | | | | | | 1/4W |
| D802 | | Posistor Posistor | | | | 11 | Λ | ERD25E.12R7K | Carbon | 0.82Ω | J | |
| D802 🛕 D803 🛕 D804A 🗘 | ERPF5B0M120G | Posistor Diode | | | | R813 | A | ERD25FJ2R7K | Carbon | 0.82Ω | J | ,4** |
| D802 | ERPF5B0M120G ERPF5B0M120G | Posistor | | | | 11 | ⚠ | ERD25FJ2R7K ERD25FJ101K | Carbon | 0.82Ω | J | |
| D802 | ERPF5B0M120G ERPF5B0M120G TVS10E2 TVS10E2 | Posistor Diode Diode | | | | R813 | A | | | | | 1⁄4W |
| D802 | ERPF5B0M120G ERPF5B0M120G TVS10E2 TVS10E2 TVS10E2 | Posistor Diode Diode | | | | R813 R814 R815 | A | ERD25FJ101K ERD25FJ101K | Carbon | 100Ω | J | 1⁄4W 1⁄4W |
| D802 | ERPF5B0M120G ERPF5B0M120G TVS10E2 TVS10E2 TVS10E2 | Posistor Diode Diode Diode Diode | | | | R813 R814 R815 R816 | A | ERD25FJ101K ERD25FJ101K ERF3AKR82 | Carbon Carbon | 100Ω 100Ω | J | ¼W ¼W 3W |
| D802 | ERPF5B0M120G ERPF5B0M120G TVS10E2 TVS10E2 TVS10E2 | Posistor Diode Diode | 120Ω | J | 14W | R813 R814 R815 | Δ | ERD25FJ101K ERD25FJ101K | Carbon Carbon Non Flame | 100Ω 100Ω 0.82Ω |) J | %W %W 3W %W |

| | MODEL NO. TX | | | | | | | | | | |
|---------------|---------------------------|-------------------------|------------------|---|--------------|-------------------------|---|-------------------------|------------------|---|------------|
| Ref.No. | Part No. | Desc | ription | | | Ref. No. | Part No. | De | scription | | |
| R819 | ERD25FJ471K | Carbon | 470 Ω | J | 14W | C321 | ECEA1HN010S | Electrolytic | 1µF | | 50√ |
| R820 | ERD25FJ222K | Carbon | 2.2 K Ω | J | 14W | C371 | ECQE4334KZ | Polyester | 0.33µF | K | 400V |
| R821 △ | ERD25FJ100K | Carbon | 10Ω | J | 14W | C372 | ECQE10103KZ | Polyester | 0.01µF | K | 1K\ |
| R822 | ERD25FJ331K | Carbon | 330Ω | J | 14W | | | | | | |
| R823 | ERF10ZJ680 | Non Flame | 68Ω | J | 10W | | RI | ESISTORS | | | |
| | | | | | 40044 | R330 | ERD25FJ102K | Carbon | 1ΚΩ | K | 1/4 W |
| R824 | ERF10ZJ680 | Non Flame | 68Ω | J | 10W | R331 | ERG3ANJ681 | Metal Oxide | 680Ω | J | 3 M |
| R825 | ERF5AJ330 | Non Flame | 33Ω | J | 5W | R332 | ERG1ANJ151 | Metal | 150Ω | J | 1 W |
| R826 | ERG3ANJ153 | Metal | 15KΩ 15KΩ | J | 3W 1⁄2W | R334 | ERD25FJ471K | Carbon | 470Ω | J | 14W |
| R827 R838 | ERC12GJ153 ERD25FJ564K | Solid Carbon | 560KΩ | J | 1/4W | R336 | ERD25FJ224K | Carbon | 220ΚΩ | J | 14 W |
| no30 | END25F3564K | Carbon | 2001/25 | | /*** | | | 0 1 | 220Ω | J | 14 W |
| R839 | ERD25FJ564K | Carbon | 568KΩ | J | 14W | R337 | ERD25FJ221K EVMH0GA00B13 | Carbon | 1ΚΩ | 5 | /4 * 1 |
| 11000 | 2113201000111 | | | | | R338 R339 | ERD50FJ821 | Carbon | 820Ω | J | 1/2√\ |
| | CC | NTROL | | | | R340 | ERD25FJ102K | Carbon | 1ΚΩ | Ĵ | 14W |
| VR81 ∆ | EVTV0UA00B13 | Control | | | 1 | R341 | ERG3ANJ681 | Metal Oxide | 680Ω | J | 3 W |
| VNO! 44 | EVIVOCAGOBIS | Control | | | | 11041 | LIIGOANOOT | Thotal Oxido | | | |
| | OTH | ER PARTS | | | | R372 | ERG1ANJ151 | Metal | 150Ω | J | 1 W |
| | | | | | | R344 | ERD25FJ471K | Carbon | 470Ω | J | 1/4 W |
| | TES6162 TMK81423 | Spring Maica Seeft | | | | R346 | ERD25FJ224K | Carbon | 220KΩ | J | 1/4 W |
| E1 2 | TJC305-1 | Fuse Holder | | | | R347 | ERD25FJ221K | Carbon | 220Ω | J | 14 W |
| F1,3 G1 | TJC6137 | Gnd Terminal | | | | R348 | EVMH0GA00B13 | Control | 1ΚΩ | | |
| 01 | TXAJTA4P246A | 4P Connector Ass | 'v | | | | | | | | 4/14 |
| | 177701777121071 | | , | | 1 | R349 | ERD50FJ821 | Carbon | 820Ω | J | 1/2V |
| | TXAJTV3P527 | 3P Connector Ass | i'y | | | R350 | ERD25FJ102K | Carbon | 1KΩ | J | 14V 3 V |
| | TXAJTX4P247 | 4P Connector Ass | 'y | | | R351 | ERG3ANJ681 | Metal Oxide | 680Ω 150Ω | J | 1 1 0 |
| \triangle | XBA2F30NU100 | Fuse 3A | | | | R352 | ERG1ANJ151 | Metal Carbon | 470Ω | J | 1/4 V |
| S8O1 | TNQ8947 | Arester | • | | | R354 | ERD25FJ471K | Carbon | 47032 | Ü | /41 |
| | ESD391 | Switch | | | 1 | R356 | ERD25FJ224K | Carbon | 220ΚΩ | J | 14 W |
| | | | | | | R357 | ERD25FJ221K | Carbon | 220Ω | J | 14W |
| | TNP91952-22 (| RT PC BOA | RD | | | R358 | EVMH0GA00B13 | Control | 1ΚΩ | | |
| | 110 5 1552 22 (| JITT 1.0. DO | | | | R359 | ERD50FJ821 | Carbon | 820 Ω | J | 1/2 W |
| | TRANSISTO | ORS & DIODE | | | | R361 △ | ERD25FJ471K | Carbon | 470Ω | J | 1/4 W |
| Q3O4 | 2SC2590Q | Transistor (P, Q) | | | | R362 | ERD25FJ102K | Carbon | 1KΩ | J | 1/4 V |
| Q305 | 2SC2590Q | Transistor (P, Q) | | | | R363 | ERG2ANJ332 | Metal Oxide | 3.3K Ω | J | 2 V |
| Q306 | 2SC2590Q | Transistor (P, Q) | | | | R342 | ERG1ANJ151 | Metal Oxide | 150Ω | J | 1 V |
| Q307 | 2SC1573QNC | Transistor | | | | R371 | ERC12GJ185 | Solid | 1.8 M Ω | J | 2 V |
| D311~316 | MA162 | Diode | | | | R372 | EVME6U10KB46 | Control | | | |
| | CC | DILS | | | | | ОТНІ | ER PARTS | | | |
| 1 201 | TLH3802C | l Coil | | | | S361 | TGPS152GL | Spark Gap | | | |
| L301 L302 | TLU4R7K106C | Peaking Coil | | | | S362 | TGPS152GL | Spark Gap | | | |
| L302 L303 | TLU1R5K106C | Peaking Coil | 1.5 µ H | K | | S363 | TGPS152GL | Spark Gap | | | |
| L303 | TLU4R7K106C | Peaking Coil | 4.7 µ H | K | | 3303 | TJS35030 | CRT Socket | | | |
| L305 | TLU1R5K106C | Peaking Coil | 1.5 µ H | K | | | TXAJTCBP453 | 3P Connector | Ass'y | | |
| | | | · | | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | |
| L306 | TLU4R7K106C | Peaking Coil | 4.7 µ H | K | | | TXAJTC6P187R | 6P Connector | Ass'y | | |
| L307 | TLU1R5K106C | Peaking Coil | 1.5 <i>µ</i> H | K | | | TSC8906-0 | 6P Connector | Ass'y | | |
| | CA | PACITORS | | | | | TNP81120-11 | SUB P.C. | BOARD | | |
| C311 | ECEA2AS470 | Electrolytic | 47μF | | 100V | | | 01070 | IODE | | |
| C312 | ECQM1H104JZ | Polyester | 0.1μF | J | 50V | | I.C & TRAN | SISTOR & D | DIODE | | |
| C313 | ECQE1105KZ | Polyester | 1μF | | 100V | IC1301 | MB74S00 | 1.C | | | |
| C314 | ECKD2H101KB2 | Ceramic | 100pF | K | | IC1302 | MB74S38 | I.C | | | |
| C315 | ECQM1H104JZ | Polyester | 0.1μF | J | 50V | Q1311 | 2SC1383QNC | Transistor | | | |
| C016 | ECOE1105K7 | Polyoeter | 1μF | K | 100V | Q1312 | 2SC1383QNC | Transistor | | | |
| C316 | ECCE1105KZ | Polyester Ceramic | 1μF 100pF | | 500V | D1311 | MA150 | Diode | | | |
| | ECKD2H101KB2 | Polyester | 0.1µF | J | 50V | D4040 | TVODDEDOEDO | Diede | | | |
| C317 | | I OLYGALGI | υ. ι μει | | | D1312 | TVSRD5R6EB2 | Diode | | | |
| C318 | ECQM1H104JZ | Polyester | 1,,F | K | 1001/ | D1212 | TVCD2404D | Diode | | | |
| C318 C319 | ECQE1105KZ | Polyester Ceramic | 1μF 100pF | | 100V 500V | D1313 | TVSB2404D | Diode | | | |
| C318 | | Polyester Ceramic | 1μF 100pF | | 100V 500V | D1313 D1301 D1302 | TVSB2404D MA150 MA150 | Diode Diode Diode | | | |

TX-1404FH

MODEL NO. TX-1404FH

| Ref.No. | Part No. | Descr | iption | | | Ref. No. | Part No. | Description |
|---------|--------------|-------------------|-------------|---|-------|----------|----------|-------------|
| D1303 | MA150 | Diode | | | | | | |
| | | CAPACITORS | | - | | | | |
| C1301 | ECKD1H103PF2 | Ceramic | 0.01µF | Р | 50V | | | |
| C1302 | ECKD1H103PF2 | Ceramic | 0.01 µF | Р | 50V | | | |
| C1311 | ECEA0JS101 | Electrolytic | 100μF | | 6.3V | | | |
| C1312 | ECEA1CS100 | Electrolytic | 10μF | | 16V | 1 | | |
| C1313 | ECEA1CS100 | Electrolytic | 10μF | | 16V | | | |
| C1314 | ECEA1AS471 | Electrolytic | 470µF | | 10V | | | · |
| | | RESISTORS | | | | | | |
| R1301 | ERD25FJ331K | Carbon | 3300 | J | ¼W | | • | |
| R1302 | ERD25FJ471K | Carbon | 470Ω | J | 1/4W | | | |
| R1303 | ERD25FJ331K | Carbon | 330n | J | 1/4W | | • ; | · · |
| R1304 | ERD25FJ471K | Carbon | 470Ω | J | ¼W | | | |
| R1305 | ERD25FJ331K | Carbon | 330Ω | J | ¼W | | | 5 |
| R1306 | ERD25FJ471K | Carbon | 470Ω | J | ¼W | | | . 1 |
| R1311 | ERD25FJ121K | Carbon | 120Ω | J | 1/4W | | | |
| R1312 | ERD25FJ121K | Carbon | 120Ω | j | 14W | | | ļ |
| R1313 | ERD25FJ121K | Carbon | 120Ω | J | 1/4W | | | |
| R1314 | ERD25FJ471K | Carbon | 470Ω | J | 1/4W | | | |
| R1315 | ERD25FJ821K | Carbón | 820Ω | J | ¼W | | | |
| | | Carbon | 270Ω | J | 14W | 1 | | |
| R1316 | ERD25FJ271K | | | J | 1/4W | | | |
| R1317 | ERD25FJ2R2K | Carbon | 2.2Ω | | | | | |
| R1318 | ERD25FJ101K | Carbon | 100Ω | J | 1/4 W | | | |
| | | THER PARTS | | | , | | | |
| CN2 | TJ\$828370 | 20P Socket | | | | | | |
| F12 | TJ\$868250 | Socket | | | | | • | |
| F13 | TJ\$868250 | Socket | | | | | | |
| | TXAJTC4P234 | 4P Connector Ass' | У | | | | | |
| | TXAJTC6P174 | 6P Connector Ass' | У | | | | | |
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